



Model F312

*Industrial Strength, 1" & 2" Disposable Panel Filters
Fiberglass Media*

The **F312** disposable panel filters are designed to withstand the demands of tough industrial and commercial applications. Purolator assures filter durability by utilizing construction features not found in traditional designs.

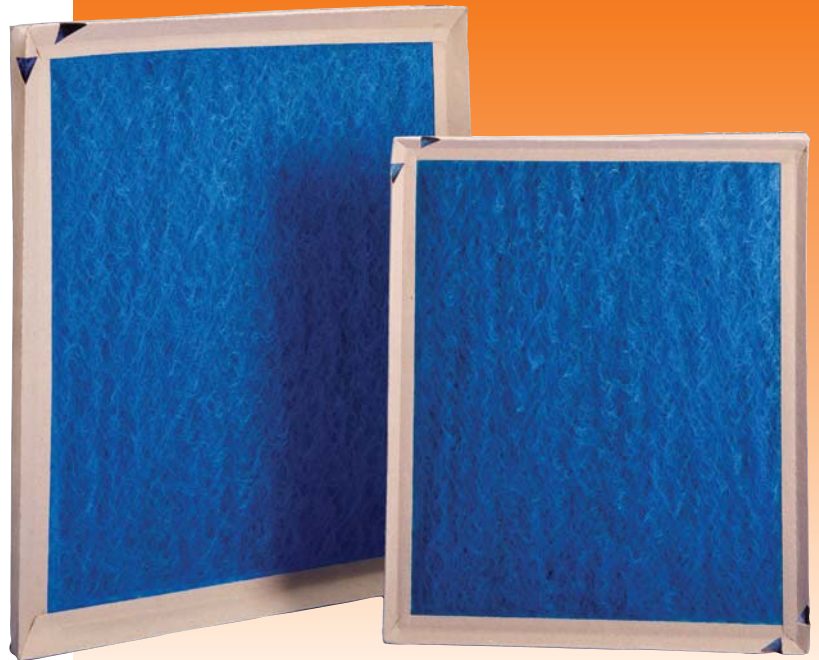
Frame – Purolator **F312** frames are produced using post consumer recycled materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength polyethylene binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

Media – Purolator **F312** filters are manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity. A computer controlled manufacturing process assures a uniform gradient density pattern in the media.

To enhance filtration capability and prevent migration of finer particles, the filter media has a skin backing and is evenly coated with a gelled adhesive.

Application – Purolator's **F312** filters perform best in conditions where large quantities of lint and dust are present. Their rugged construction makes them industry leaders in the high velocity system, prefilter market.



Pinch Frame Design

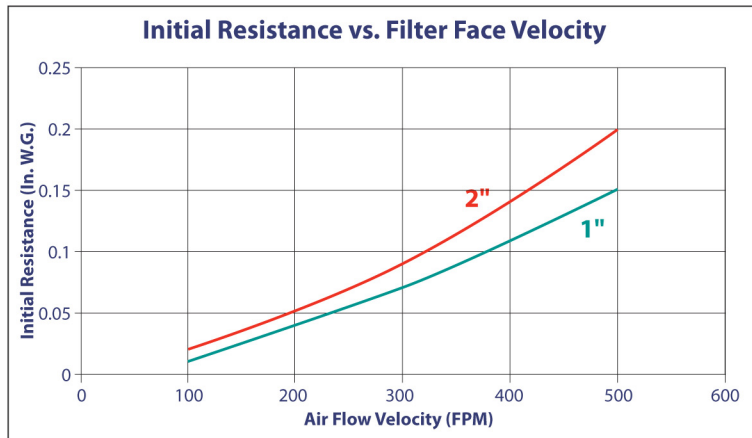
Notched Frame Design

- Performance is enhanced by a skin backing on the air leaving side of the media
- Space saving notched frame
- Reduce warehouse space and shipping costs with innovative Monobond pinch frame notched design
- Improved aerodynamics reduce restriction to air flow
- Safe, easy, fast installation
- Larger effective filtering surface area
- Wide selection of standard sizes
- Classified Class 2 by Underwriters Laboratories, Inc.

Model F312

Industrial Strength, 1" & 2" Disposable Panel Filters, Fiberglass Media

Category	F312 1"	F312 2"
Air Flow Velocity (FPM)	300	300
Initial Resistance (In. W.G.)	.07"	.09"
Recommended Final Resistance (In. W.G.)	.50"	1.0"
Average Arrestance (%)	72%	75%



*Resistance climbs more rapidly on 1" thus reducing dust holding capacity and filter life. Testing conducted in accordance with the ASHRAE 52.1-1992 Test Standard. Classified Class 2 by Underwriters Laboratories, Inc.

Standard 1" and 2" Sizes						
1 Inch					2 Inch	
8x16	12x18	14x25	16x25	20x25	10x20	18x24
8x30	12x20	14x30	16x30	20x30	12x24	20x20
10x10	12x24	15x20	18x18	22x22	14x20	20x24
10x16	12x25	15x25	18x20	24x24	14x25	20x25
10x20	12x30	15x30	18x24	24x30	15x20	24x24
10x24	14x14	15x30 ^{5/8}	18x25	25x25	16x16	25x25
10x25	14x16	16x16	18x30		16x20	
10x30	14x18	16x18	20x20		16x24	
12x12	14x20	16x20	20x22 ^{1/4}		16x25	
12x16	14x24	16x24	20x24			



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Model P312

*Industrial Strength, 1" & 2" Disposable Panel Filters
Synthetic Media*

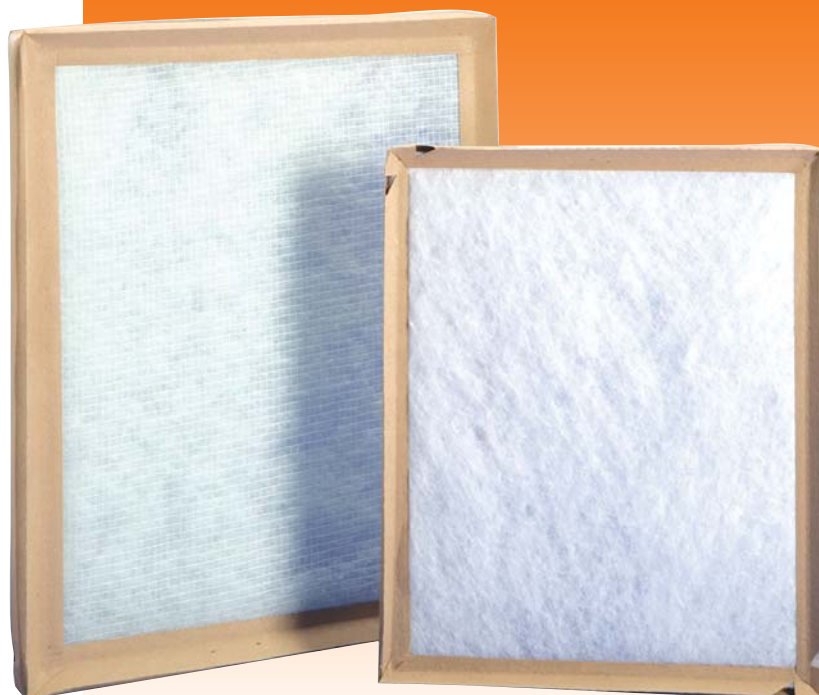
Our long standing excellence in providing durable, top performing disposable filters is applied to the manufacturing of poly fiber **P312** filters. Ideally suited for residential, commercial, or light industrial use, the polyester media was developed for situations where synthetic media products are required.

Frame – The **P312** frame is produced using post consumer materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

Media – The synthetic media used in a **P312** consists of polyester filters bonded together in an interlocking pattern of tiny lint and dust traps. This configuration maximizes dust loading while minimizing resistance and surface loading.

Application – **P312** filters perform best in conditions where large quantities of lint and dust are present. Their rugged construction makes them industry leaders in the high velocity system, prefilter market.



Pinch Frame Design

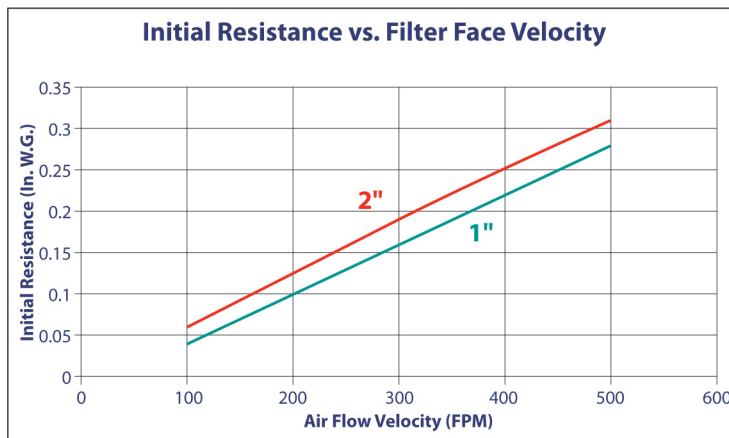
Notched Frame Design

- **Space saving notched frame**
- **Reduce warehouse space and shipping costs with innovative Monobond pinch frame notched design**
- **Improved aerodynamics reduce restriction to air flow**
- **Safe, easy, fast installation**
- **Larger effective filtering surface area**
- **Wide selection of standard sizes**
- **Classified Class 2 by Underwriters Laboratories, Inc.**

Model P312

Industrial Strength, 1" & 2" Disposable Panel Filters, Synthetic Media

Category	P312 1"	P312 2"
Air Flow Velocity (FPM)	300	300
Initial Resistance (In. W.G.)	.16"	.19"
Recommended Final Resistance (In. W.G.)	.50"	1.00"
Average Arrestance (%)	82%	89%



*Testing conducted in accordance with the ASHRAE 52.1-1992 Test Standard. Classified Class 2 by Underwriters Laboratories, Inc.

Standard 1" and 2" Sizes					
1 Inch				2 Inch	
10x10	14x14	16x24	20x25	10x20	16x25
10x20	14x20	16x25	20x30	12x24	18x24
10x24	14x24	18x18	24x24	14x20	20x20
12x12	14x25	18x20	24x30	14x25	20x24
12x20	14x30	18x24	25x25	15x20	20x25
12x24	15x20	18x25		16x16	24x24
12x25	16x16	20x20		16x20	25x25
12x30	16x20	20x24		16x24	



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